

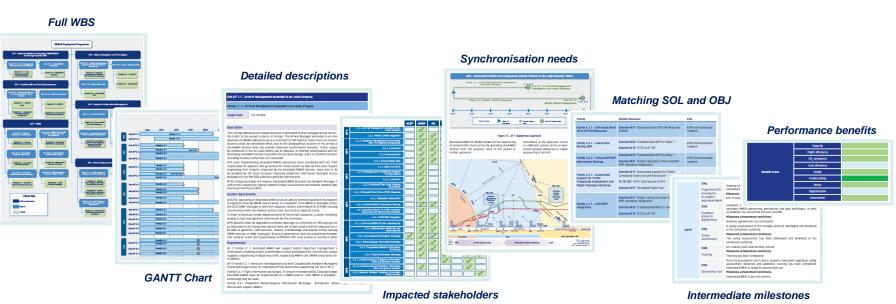


## SESAR Deployment Programme

## A common blueprint for operational stakeholders to implement CP1

The **SESAR Deployment Programme** features fully up-to-date information on **target dates**, **system requirements**, **specific deployment milestones**, **synchronisation needs**, expected performance impacts and many more



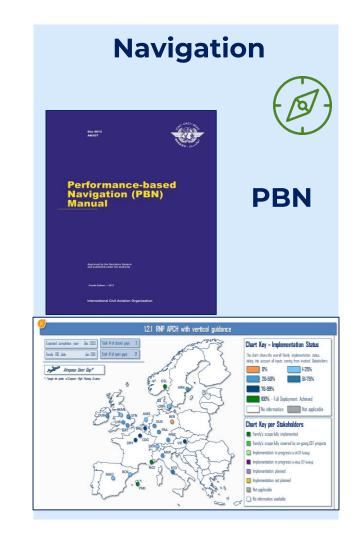


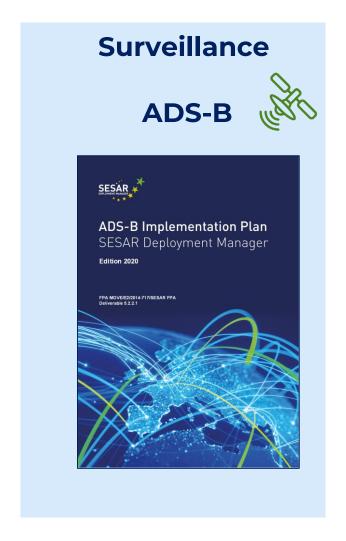


# SDM experience coordinating CNS deployment





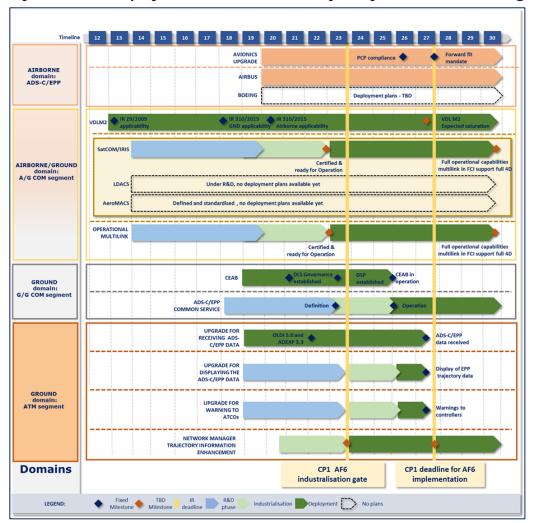




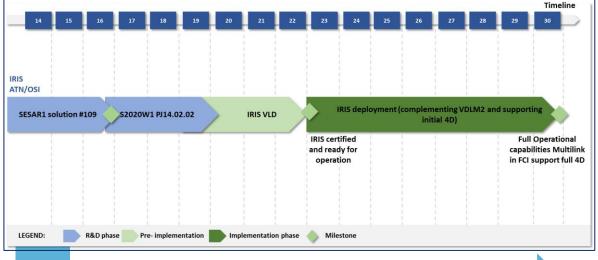


Communication. SATCOM

SDM Deliverable: Assumptions for a synchronized deployment towards Initial Trajectory Information Sharing







SatCOM roadmap – based on "IRIS"

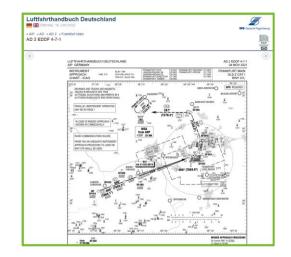
SDM, together with the stakeholders, to develop a multilink implementation roadmap





### **Deployment status:**

- GAST D (CAT III on GPS only)
  - Standardized in Annex 10 since 2018
  - o Airborne equipment expected 2023 (B777-9), 2025 ? (Airbus)
  - Ground stuck at certification amid pandemic
- EU proposal at ICAO NSP JWGs/8 to implement "GAST D +" as transition towards GAST F
  - Adding GALILEO to the GAST D standard
  - Gain experience with MC in GAST D (compatible to existing GAST D avionics)
  - In a second step complete with full DFMC performance standard

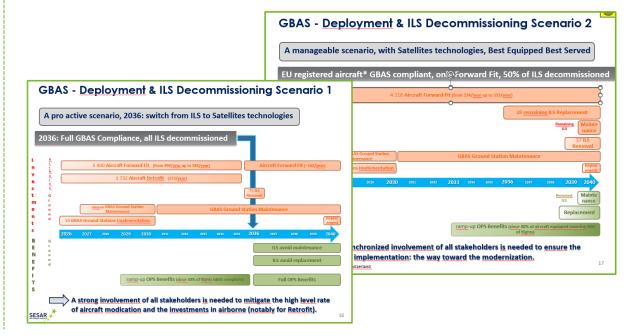


SDM supported Enabling European GBAS
Street (EGG)

**Growth (EGG)** 



SDM elaborated a GBAS CBA

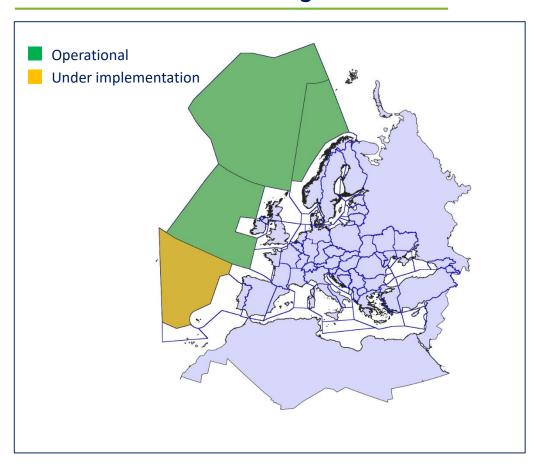








# Implementation status in Europe Satellite-based ADS-B coverage



#### **Pros**







Can independently validate position using TDOA



#### Cons





Performance weaker towards the equator due to more sparse constellation configuration



Difficult to meet terrestrial ADS-B on cost and update probability at high update rates



Detection issues in aircraft with bottom-only









Modernising
Air Traffic Management
As One

### Follow SESAR deployment:

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